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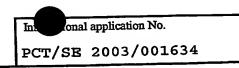
INTERNATIONAL PRELIMINARY REPORT ON PATENTAB LITY (Chapter II of the Patent Cooperation Treaty) | 1 | FEB 2005

(PCT Article 36 and Rule 70)

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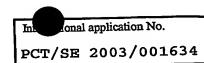
Applicant's or agent's file reference PC-21006547 FOR FURTHER ACTION See Form PCT/IPEA/416					
PC-21006547					
International application No. International filing date (day/month/year) Priority date (day/month/year)					
PCT/SE 2003/001634 22.10.2003 23.10.2002					
International Patent Classification (IPC) or national classification and IPC					
G06F 17/30					
G00F 17/30					
Applicant					
Softhouse Nordic AB et al					
 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 					
2. This REPORT consists of a total of 3 sheets, including this cover sheet.					
3. This report is also accompanied by ANNEXES, comprising:	- 1				
a. (sent to the applicant and to the International Bureau) a total of 4 sheets, as follows:	Ì				
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and/or sheets containing rectifications authorized by this Authority (see Idillo 70170 and 70170	of the				
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Supplemental Box.					
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s))					
, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).					
4. This report contains indications relating to the following results. Box No. I Basis of the report					
Box No. II Priority					
Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	У				
Box No. IV Lack of unity of invention					
Personed statement under Article 35(2) with regard to novelty, inventive step or industrial					
applicability; citations and explanations supporting such statement					
Box No. VI Certain documents cited					
Box No. VII Certain defects in the international application					
Box No. VIII Certain observations on the international application					
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Date of submission of the demand Date of completion of this report					
21.01.2005					
19.03.2001					
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Patent- och registreringsverket Box 5055 S-102 42 STOCKHOLM Kristoffer Ogebjer/EK					

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY



Воз	No. I		of the report	
1.	otherwi	se indicat	ne language, this report is based on the international application in the language and under this item.	
		This repor	t is based on a translation from the original language into the following langua he language of a translation furnished for the purposes of:	ge,
			nternational search (under Rules 12.3 and 23.1(b))	
			ublication of the international application (under Rule 12.4)	
			nternational preliminary examination (under Rules 55.2 and/or 55.3)	
2.	furnish	regard to ned to the re not anno	the elements of the international application, this report is based on (repreceiving Office in response to an invitation under Article 14 are referred to exed to this report):	olacement sheets which have been in this report as "originally filed"
1		the inter	national application as originally filed/furnished	
1	\boxtimes	the desc	ription:	as originally filed/furnished
		pages		
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ł		a sequ	ence listing and/or any related table(s) – see Supplemental Box Relating to Sec	quence Listing.
	з. 🔲	The ar	nendments have resulted in the cancellation of:	
١			the description, pages	
			the claims, Nos.	
			the drawings, sheets/figs	
- 1			the sequence listing (specify):	
١			any table(s) related to the sequence listing (specify):	
	4.	This made 70.2(report has been established as if (some of) the amendments annexed to this s, since they have been considered to go beyond the disclosure as filed, as ince they have been considered to go beyond the disclosure as filed, as inception.	report and listed below had not been licated in the Supplemental Box (Rule
-			the description, pages	
1		F	the claims, Nos.	
			the drawings, sheets/figs	
- 1		F	the sequence listing (specify):	
			any table(s) related to the sequence listing (specify):	
	* If	item 4 app	olies, some or all of those sheets may be marked "superseded."	





Box No. V	Reasoned statement ur citations and explanati	nder Article 3 ons supportin	5(2) with regard to novelty, inventive step or industrial and grant statement	pplicability;
1. Statement	t ulty (N)	Claims Claims	1-30	YES
Inver	ntive step (IS)	Claims Claims	1-30	YES NO
Indu	strial applicability (IA)	Claims Claims	1-30	YES NO

Citations and explanations (Rule 70.7)

Documents cited in the International Search Report:

D1: US2002073077 D2: WO0137591 A1 D3: WO0144887 A2 D4: JP6203124 A

The cited documents represent the general state of the art.

The invention defined in claims 1-30 is not disclosed by any of these documents.

The cited prior art does not give any indication that would lead a person skilled in the art to the claimed method and server of sending analysis results of a face. Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claims 1-30 is novel and is considered to involve an inventive step. The invention is industrially applicable.

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CLAIMS

A method for estimating the resemblance of
 various objects, comprising the steps of

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recording (40; 50) data of a real object, which is a face, using a communication device (1),

transferring (41; 52, 60) said recorded data to a service server (100; 405),

extracting (42; 64) a comparison object from said recorded data,

making (45; 65) a resemblance analysis between the comparison object and a previously stored object, and

transferring (44; 67) result data containing infor-15 mation about the resemblance analysis to a result unit (1; 100; 405).

- 2. A method as claimed in claim 1, wherein the step of transferring (41; 52, 60) said recorded data to a service server (100; 405) at least partly occurs wirelessly.
- 3. A method as claimed in claim 1 or 2, wherein the step of transferring (41; 52, 60) said recorded data to a service server (100; 405) comprises the steps of packaging (51) said recorded data as a message, transferring the message to a service server, and unpackaging (63a) the message in the service server.
 - 4. A method as claimed in any one of the preceding claims, further comprising the steps of transferring (41) the identity of the communication device (1) to the service server (100; 405) and storing (61) the identity in the service server.
 - 5. A method as claimed in any one of the preceding claims, wherein the result unit consists of the communication device (1).
- 6. A method as claimed in any one of the preceding claims, wherein said result data contains an address link.

- 7. A method as claimed in any one of the preceding claims, wherein said recorded data is a digital image.
- 8. A method as claimed in any one of the preceding claims, wherein the service server (100; 405) comprises a number of stored objects and the resemblance analysis comprises the step of

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identifying the stored object which the comparison object resembles most.

- 9. A method as claimed in claim 8, wherein said
 10 result data contains the identified object which the comparison object resembles most and a measure of the degree of resemblance.
 - 10. A method as claimed in claim 9, wherein said result data further contains additional information about the stored object which the comparison object resembles most.
 - 11. A method as claimed in any one of the preceding claims, further comprising the step of storing the comparison object in the service server (100; 405).
- 20 12. A method as claimed in any one of the preceding claims, wherein the communication device is a mobile phone.
 - 13. A method as claimed in claim 3, wherein the message is an MMS (Multimedia Message Service) message.
- 25 14. A method as claimed in any one of the preceding claims, further comprising the steps of

sending, in response to transferred data, a form to the communication device (1),

recording form data using the communication device 30 (1),

transferring said recorded form data to the service server, the step of making (45; 65) the resemblance analysis comprising the step of using said form data in the resemblance analysis.

35 15. A method for estimating the resemblance of various objects, comprising the steps of

receiving (60) recorded data of a real object, which is a face,

extracting (42; 64) a comparison object from said data,

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making (45; 65) a resemblance analysis between the comparison object and a previously stored object, and transmitting (44; 67) result data containing infor-

mation about the resemblance analysis.

- 16. A method as claimed in claim 15, wherein said 10 received data is an MMS message.
 - 17. A method as claimed in claim 15 or 16, further comprising the steps of

sending a form in response to received data, and receiving form data, the step of making (45; 65) the resemblance analysis comprising the step of using said form data in the resemblance analysis.

- 18. A method as claimed in any one of claims 15-17, further comprising the step of identifying the stored object which the comparison object resembles most,
- said result data containing the identified object which the comparison object resembles most and a measure of the degree of resemblance.
 - 19. A method as claimed in any one of claims 15-18, further comprising the step of storing the comparison object in the service server (100; 405).
- 20. A server (100; 405) for estimating the resemblance of various objects, comprising a receiver (101; 201; 301) which is adapted to receive recorded data of a real object, which is a face, an object database (104; 204; 304) which is adapted to store an object, a service handler (102; 202; 302) which adapted to extract a comparison object, an object recogniser (103; 203; 303) which is adapted to make a resemblance analysis between the comparison object and the stored object, and a transmitter (106; 206; 306) which is adapted to transmit result data containing information about the resemblance analysis.

- 21. A server (100; 405) as claimed in claim 20, further comprising a factual database (105, 205, 305) which is adapted to store information about the stored object.
- 22. A server (100; 405) as claimed in claim 20 or 5 21, further comprising a WAP server.
 - 23. A server (100; 405) as claimed in any one of claims 20-22, further comprising an SMS transmitter.
 - 24. A server (100; 405) as claimed in any one of claims 20-21, further comprising an i-mode server.
- 25. A server (100; 405) as claimed in any one of claims 20-24, wherein the receiver (101; 201; 301) is an MMS receiver.

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26. A server (100; 405) as claimed in any one of claims 20-25, further adapted to identify the stored object which the comparison object resembles most,

said result data containing the identified object which the comparison object resembles most and a measure of the degree of resemblance.

- 27. A server (100; 405) as claimed in any one of claims 20-26, further adapted to store the comparison object.
 - 28. A server (100; 405) as claimed in any one of claims 20-27, further adapted to send, in response to said received data, a form, and adapted to receive form data, the server being adapted to use said form data in the resemblance analysis.
 - 29. A system for estimating the resemblance of various objects, comprising a communication device (1) which is adapted to record data of a real object and transfer said recorded data to a server (100; 405) which is arranged as claimed in any one of claims 20-28, via a network which at least partly is wireless.
 - 30. Use of the method as claimed in any one of claims 1-19 in a TV programme to make a resemblance analysis between a previously stored object and a large number of comparison objects which are extracted from received recorded data.